

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Paul Robert Hoffman et al.

Application No.: Filed Herewith Parent Appln. Group No.: 2811
Filed: Filed Herewith Parent Appln. Examiner: Cuong Quang Nguyen
For: "Structures For Improving Heat Dissipation In Stacked Semiconductor Packages"

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: February 2, 2004

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

Section 1. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No.: 10/013,396, filed on 12/07/2001.

Copies of the documents listed on the accompanying Form PTO-1449 that are not enclosed were previously submitted in Application No. 10/013,396, from which this Application claims an earlier effective filing date.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP § 609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

- ☒ This statement qualifies under 37 C.F.R. § 1.97, subsection (b) because (check all that apply):
- ☒ (1) It is being filed within 3 months of the application filing date and is other than a continued prosecution application under § 1.53(d)
-- OR --
- ☐ (2) It is being filed within 3 months of entry of a national stage
-- OR --
- ☐ (3) It is being filed before the mail date of the first Office Action on the merits.
-- OR --
- ☐ (4) It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114

- ☐ 37 C.F.R. § 1.97(c). If this statement is being filed after the period specified in § 1.97(b), but before the mailing date of the earlier of a final office action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, then:
- ☐ a certification as specified in § 1.97(e) is provided below; or
- ☐ a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☐ 37 C.F.R. § 1.97(d). If this statement is being filed after the period specified in § 1.97(c), but on or before payment of the issue fee, then:
- A. a certification as specified in § 1.97(e) is completed below; and
- B. a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.
- ☒ *Fee Authorization.* The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0574 (Docket No. AMK-11317-1D).

Date: _____

2/2/04

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Signature of Practitioner

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Bever, Hoffman & Harms, LLP

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U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					AMK-11317-1D		unknown	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Paul Robert Hoffman et al.			
					Filing Date		Group	
					Herewith		unknown	
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	6,005,778	12/21/99	Spielberger, et al.	361	770		
	AB	4,763,188	8/9/88	Johnson	357	74		
	AC	5,025,306	6/18/91	Johnson, et al.	357	75		
	AD	5,291,061	3/1/94	Ball	257	686		
	AE	5,323,060	6/21/94	Fogal, et al.	257	777		
	AF	5,721,452	2/24/98	Fogal, et al.	257	685		
	AG	5,739,581	4/14/98	Chillara, et al.	257	668		
	AH	5,815,372	9/29/98	Gallas	361	760		
	AI	5,886,412	3/23/99	Fogal, et al.	257	777		
	AJ	Re. 36,613	3/14/00	Ball	257	777		
	AK	6,051,886	4/18/00	Fogal, et al.	257	777		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	62-126661 Eng. Abs.	6/8/87	Japan	H01L	25/04		
	AM	4-56262 Eng. Abs.	2/24/92	Japan	H01L	25/65		
	AN	63-244654 Eng. Abs.	10/12/88	Japan	H01L	23/28		
	AO	5136323 Eng. Abs.	6/1/93	Japan	H01L	23/50		
	AP	5109975 Eng. Abs.	4/30/93	Japan	H01L	25/065		
	AQ	61117858 Eng. Abs.	6/5/86	Japan	H01L	25/08		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR							
	AS							
Examiner			Date Considered					
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>								

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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	6,057,598	5/2/00	Payne, et al.	257	723		
	AB	5,502,289	3/26/96	Takiar, et al.	174	266		
	AC	5,793,108	8/11/98	Nakahishi, et al.	257	723		
	AD	5,973,403	10/26/99	Wark	257	777		
	AE	5,696,031	12/9/97	Wark	437	209		
	AF	5,495,398	2/27/96	Takiar, et al.	361	790		
	AG	5,463,253	10/31/95	Waki, et al.	257	724		
	AH	5,012,323	4/30/91	Farnworth	357	75		
	AI	5,689,135	11/18/97	Ball	257	676		
	AJ	5,347,429	9/13/94	Kohno, et al.	361	813		
	AK	6,080,264	6/27/00	Ball	156	292		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	4028260 Eng. Abs.	1/30/92	Japan	H01L	25/065		
	AM	4116859 Eng. Abs.	4/17/92	Japan	H01L	25/065		
	AN	4096358 Eng. Abs.	3/27/92	Japan	H01L	25/065		
	AO	5013665 Eng. Abs.	1/22/93	Japan	H01L	25/065		
	AP	1028856 w/Eng. Abs.	1/31/89	Japan	H01L	27/00		X
	AQ	1099248 A w/Eng. Abs.	4/18/89	Japan	H01L	25/08	X	
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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,422,435	6/6/95	Takiar, et al.	174	52.4		
	AB	6,072,243	6/6/00	Nakanishi	257	783		
	AC	6,214,641	4/10/01	Akram	438	107		
	AD	5,715,147	2/3/98	Nagano	361	813		
	AE	6,133,637	10/17/00	Hikita, et al.	257	777		
	AF	5,866,949	2/2/99	Schueller	257	778		
	AG	6,326,696	12/4/01	Horton, et al.	257	777		
	AH	5166772	11/24/92	Soldner et al.	257	659		
	AI	5200809	04/09/93	Kwon	257	707		
	AJ	5365107	11/15/94	Kuraishi et al.	257	673		
	AK	5530202	06/25/96	Dais et al.	174	35 R		
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	60182731 w/Eng. Abs.	9/18/85	Japan	H01L	21/60		X
	AM	56062351 w/Eng. Abs.	5/28/81	Japan	H01L	25/04		X
	AN	3169062 w/Eng. Abs.	7/22/91	Japan	H01L	25/065		X
	AO	10-256470	9/25/98	Japan	H01L	25/065	X	
	AP	1071162 A Eng. Abs	3/16/89	Japan	H01L	23/52		X
	AQ	5-75015 (A) Eng. Abs	3/26/93	Japan	H01L	25/065		X
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	AA	5656864	8/12/97	Mitsue et al.	257	787		
	AB	6246115 B1	06/12/01	Tang et al.	257	706		
	AC	6429512 B1	08/06/02	Huang et al.	257	706		
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	503 201 A2	12/20/91	EPO	H01L	23/495		
	AM	64001269 Eng. Abs.	1/5/89	Japan	H01L	25/04		
	AN	4056262 w/Eng. Abs.	2/24/92	Japan	H01L	25/065		
	AO	62126661 w/Eng. Abs.	6/8/87	Japan	H01L	25/04		X
	AP	63128736 w/Eng. Abs.	6/1/88	Japan	H01L	23/04		X
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